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1/9/1 (Item 1 from file: 351)

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Flame retarding wood material for building, etc. - is prepd.
by coating wood material with polyvinyl alcohol and/or polyacrylamide and
flame-retarding resin agent

Patent Assignee: DAINIPPON INK & CHEM KK (DNIN)

Number of Countries: 001 Number of Patents: 001

Patent Family:

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JP 1304935	A	19891208	JP 88135433	A	19880603	199004 B

Priority Applications (No Type Date): JP 88135433 A 19880603

Patent Details:

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JP 1304935	A		8		

Abstract (Basic): JP 1304935 A

Flame-retarding wood material is prepd. by undercoating wood base material with aq. soln. contg. PVA and/or polyacrylamide, and coating flame-retarding coating agent contg. water-soluble or -dispersable condensn. reaction type resin thereon. Pref. claimed flame retarding wood material comprises above flame-retarding wood material and decorative paper or wood butting board coated with aq. soln. contg. PVA and/or polyacrylamide joined together on coating sides; undercoating agent contains PVA and/or polyacrylamide, and melamine resin.

USE/ADVANTAGE - For building materials. Flame-retarding properties are high and can be kept when material is wetted or moistened. Material has improved aesthetic appearance and delamination resistance when heated.

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Derwent Class: A14; A82; F09; G02; P42; P73

International Patent Class (Additional): B05D-007/06; B32B-021/08

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1/9/2 (Item 1 from file: 347)

03007335 FIRE RETARDANT WOODY MATERIAL

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International Class: [4] B32B-021/08; B05D-007/06

JAPIO Class: 14.9 (ORGANIC CHEMISTRY -- Other); 14.7 (ORGANIC CHEMISTRY -- Coating Material Adhesives)

JAPIO Keyword: R013 (MICROCAPSULES); R042 (CHEMISTRY -- Hydrophilic Plastics); R124 (CHEMISTRY -- Epoxy Resins)

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ABSTRACT

PURPOSE: To improve fire retardancy, humidity resistance and water resistance, by applying a bottom coating agent containing polyvinyl alcohol as an essential component to a woody base material and further applying a water-soluble or water-dispersible condensation type resin thereto.

CONSTITUTION: An aqueous solution containing polyvinyl alcohol and/or polyacrylamide as an essential component is applied to a woody base material and, subsequently, a fire retardant coating agent containing a water-soluble or water-dispersible condensation type resin as an essential component is applied thereon to prepare a fire retardant woody material. The obtained fire retardant woody material and decorative paper or woody veneer coated with the aqueous solution containing polyvinyl alcohol and/or polyacrylamide as the essential component being a bottom coating agent are unified so that the coating surface of the fire retardant coating agent of the fire retardant woody material is bonded to the coating surface of the aqueous solution on the decorative paper or woody veneer to form a fire retardant woody material.

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